

# Tamer A El-Sayed

## List of Publications by Year in descending order

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22  
papers

288  
citations

1040056

9  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Free vibration and stability analysis of a multi-span pipe conveying fluid using exact and variational iteration methods combined with transfer matrix method. <i>Applied Mathematical Modelling</i> , 2019, 71, 173-193.	4.2	48
2	Micro-fabrication of ceramics: Additive manufacturing and conventional technologies. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1-27.	17.4	44
3	Exact free vibration of multi-step Timoshenko beam system with several attachments. <i>Mechanical Systems and Signal Processing</i> , 2016, 72-73, 525-546.	8.0	29
4	Application of variational iteration method to free vibration analysis of a tapered beam mounted on two-degree of freedom subsystems. <i>Applied Mathematical Modelling</i> , 2018, 58, 349-364.	4.2	23
5	Analytical and finite element modeling of pressure vessels for seawater reverse osmosis desalination plants. <i>Desalination</i> , 2016, 397, 126-139.	8.2	19
6	Exact free vibration analysis for mechanical system composed of Timoshenko beams with intermediate eccentric rigid body on elastic supports: An experimental and analytical investigation. <i>Mechanical Systems and Signal Processing</i> , 2017, 82, 376-393.	8.0	16
7	Modelling the strengthening of glass using epoxy based coatings. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2783-2791.	5.7	12
8	Performance of hydraulic turbocharger integrated with hydraulic energy management in SWRO desalination plants. <i>Desalination</i> , 2016, 379, 85-92.	8.2	12
9	Nonlinear dynamics and bifurcation analysis of journal bearings based on second order stiffness and damping coefficients. <i>International Journal of Non-Linear Mechanics</i> , 2022, 142, 103972.	2.6	12
10	Exact free vibration analysis of Timoshenko stepped shaft carrying elastically supported eccentric masses with application on SWRO mechanical system. <i>Desalination</i> , 2016, 385, 194-206.	8.2	10
11	Bifurcation analysis of rotor/bearing system using third-order journal bearing stiffness and damping coefficients. <i>Nonlinear Dynamics</i> , 2022, 107, 123-151.	5.2	10
12	Exact vibration of Timoshenko beam combined with multiple mass spring sub-systems. <i>Structural Engineering and Mechanics</i> , 2016, 57, 989-1014.	1.0	8
13	A novel method to evaluate the journal bearing forces with application to flexible rotor model. <i>Tribology International</i> , 2022, 173, 107593.	5.9	8
14	A Normalized Transfer Matrix Method for the Free Vibration of Stepped Beams: Comparison with Experimental and FE(3D) Methods. <i>Shock and Vibration</i> , 2017, 2017, 1-23.	0.6	7
15	Frequency equation using new set of fundamental solutions with application on the free vibration of Timoshenko beams with intermediate rigid or elastic span. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4764-4780.	2.6	6
16	Free vibration analysis of multistep nonlocal Bernoulli-Euler beams using dynamic stiffness matrix method. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 774-789.	2.6	6
17	A new numeric-symbolic procedure for variational iteration method with application to the free vibration of generalized multi-span Timoshenko beam. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 799-811.	2.6	6
18	Longitudinal Vibration Analysis of a Stepped Nonlocal Rod Embedded in Several Elastic Media. <i>Journal of Vibration Engineering and Technologies</i> , 2022, 10, 1399-1412.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Failure pressure of composite membrane housing for SWRO desalination plants. Desalination, 2017, 411, 45-58.	8.2	3
20	Fractographic analysis of epoxy coated glass. Ceramics International, 2012, 38, 2543-2549.	4.8	2
21	A Finite-Element Hardness Model for Analyzing 316L Stainless Steel/Ceramic Nanocomposites. Mechanics of Composite Materials, 2015, 51, 33-42.	1.4	1
22	Experimental and computational investigation of energy ball wind turbine aerodynamic performance. Advances in Mechanical Engineering, 2019, 11, 168781401987954.	1.6	1